

Question Bank**DNGR BNSL****Section I: Diseases of Ear****CHAPTER 1
ANATOMY OF EAR****Long Essay**

1. Describe briefly the anatomy of the middle ear cleft with a suitable labeled diagram. 5 7 J12(RS2), D18(RS3)

Short Essays

1. Describe the normal tympanic membrane. Draw neat labeled diagram (of right side). 3 6 J04, J06, J12
2. Anatomy of the middle ear cleft with diagram. 5 7 J11(RS2), D15(RS3), D16(RS3), J19(RS3), D05, J14

3. Surgical anatomy of medial wall of the middle ear (draw a labeled diagram). 6 9 J08
4. Middle ear contents and their functions. 9 10 D07(RS2)

Short Answers

1. Pinna—nerve supply. 3 4 J12, D13
2. Tympanic membrane—anatomy/ labeled diagram (left/right). 3 6 J16(RS3), J10, D10
3. Nerve supply of external auditory canal (external ear). 5 6 D11(RS2), J19(RS3), D08, J13
4. Middle ear cleft and its contents. 5 7 J02, J17
5. Draw labeled diagram of medial wall of middle ear. 7 10 D07
6. MacEwen's triangle. 7 12 D13(RS2), D14(RS3), J19(RS3), D13, J14, J16

7. Enumerate the cells of the mastoid air cell system. 7 13 D12
8. Intratympanic muscles (nerve supply). 9 11 J15(RS3)

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9. Stapedius muscle. 9 11 J12
10. Tympanic plexus. 9 11 D09(RS2), J11, D14

**CHAPTER 2
PERIPHERAL RECEPTORS AND
PHYSIOLOGY OF AUDITORY AND
VESTIBULAR SYSTEM****Long Essay**

1. Describe the physiology and mechanism of hearing. 15 24 D07(RS2)

Short Essays

1. Theories of hearing. — — J11(RS2), D16(RS3)
2. Organ of Corti. 15 16 J12(RS2), J13(RS3)
3. Physiology of hearing. 15 24 D15
4. Middle ear—impedance matching mechanism/transformer mechanism. 16 25 J15(RS3), J06, D13
5. Role of cochlea in hearing. 17 17 D05
6. Physiology of equilibrium. 20 28 D16

Short Answers

1. Discuss the theories of hearing. — — J14(RS2)
2. Otititis. 18 — D14

**CHAPTER 3
AUDIOLOGY AND ACOUSTICS****Short Answer**

1. Decibel. 21 39 D08

**CHAPTER 4
ASSESSMENT OF HEARING****Short Essays**

1. How to assess a patient of hearing loss in outpatient department? 23 40 J10
2. Tuning fork tests and their significance. 23 41 J19(RS3), D07, J08, D08, D14

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3. Rinne's test.	24	41	J10(RS2)
4. Pure tone audiometry (pure tone audiogram).	25	43	D11(RS2), J16(RS3), J16
5. Tympanometry.	26	46	D08(RS2), D18(RS3), D15
6. Brainstem evoked response audiometry (BERA).	29	48	D08(RS2)
7. Otoacoustic emissions.	29	49	J14(RS2)
Short Answers			
1. Tuning fork tests.	23	41	D07(RS2)
2. Rinne's test and its clinical significance.	24	41	D10(RS2), J11(RS2), D12(RS3), D16(RS3), D00, D03, J04, D04, J10
3. False-negative Rinne's test.	24	42	J14
4. Weber's test.	24	42	D14(RS3), J15(RS3), D19(RS3), D05, D02, D06, D13
5. Absolute bone conduction test.	24	43	J02, J16
6. Schwabach's test.	24	43	J16(RS3)
7. Bing's test.	24	43	J10(RS2)
8. Pure tone audiometry.	25	43	J09
9. Speech audiometry.	25	45	J09(RS2)
10. Tympanograms.	27	46	J18(RS3)
11. Acoustic reflex tests.	27	47	J17(RS3)

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Long Essay

1. Discuss sound conducting mechanism in brief. Discuss the cause and principles of management of conductive hearing loss.

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2. Classify hearing loss and enumerate the causes of conductive hearing loss.	31	51	J15
3. Conductive deafness (causes).	31	51	D08(RS2), D00, J01, D04
4. Tympanoplasty (classification).	31	438	D08, J11, D16
5. Sensorineural (SN) deafness—causes.	34	59	J03
6. Ototoxicity (ototoxic drugs and management).	35	61	D08(RS2), D17(RS3), D00, D02, D04, D14, J16, J17
7. Noise-induced hearing loss.	36	63	D09(RS2), J13
8. Sudden SN hearing loss—causes and management.	38	64	D15(RS3), J17(RS3)
9. Sudden hearing loss (causes).	38	64	J05
10. Presbycusis (senile deafness)—management.	39	65	J14(RS2), J07, D10, J15
11. Unilateral sensorineural deafness.	41	59	D12
Short Answers			
1. Discuss prerequisite for successful type I tympanoplasty.	31	—	D07
2. Ototoxicity—prevention and management.	35	61	J16(RS3), D05, D06
3. Acoustic trauma.	36	63	J12(RS2), J13(RS3)
4. Sudden hearing loss.	38	64	J16(RS3)
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DNCR BNSL**CHAPTER 6
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FUNCTIONS****Short Essays**

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D09(RS2)

2. Fistula test and its significance.

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1. Labrynthine nystagmus.

43 130

D15

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D13(RS2),
D15(RS3),
D17(RS3),
D08, J11,
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3. Hennebert's sign.

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4. Romberg's test.

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2. Causes (aural) of vertigo.

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1. Benign paroxysmal positional vertigo—management.

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J17(RS3)**CHAPTER 8****DISEASES OF EXTERNAL EAR****Long Essay**

1. Draw a labeled diagram of middle ear cleft. Discuss the etiology, symptomatology and management of malignant otitis externa.

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1. Auricular hematoma (cauliflower ear).

52 86

D11, J12

2. Perichondritis of the pinna.

53 86

J19(RS3)

3. Otitis externa.

54 89

D16

4. Otiomycosis.

55 90

J09(RS2),
D19(RS3),
D02, D07,
J10, J12,
D15

5. Malignant otitis externa (etiology, clinical features and management).

55 92

D10(RS2),
J17(RS3),
D17(RS3),
D18(RS3),
J02, D06,
J09, D11,
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J04, J08

6. Aural syringing—indications, contraindication, procedure and complications.

56 91

J04, J08

7. Foreign body in external auditory canal—types, causes and management.

57 88

D03, J10

8. Keratosis obturans.

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J02, D05,
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9. Traumatic perforation of the ear (tympanic membrane)—treatment.

59 94

J19(RS3),
D03**Short Answers**

1. Hematoma auris (management).

52 86

J06, D06

2. Otitis externa.

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D08(RS2),
D12(RS3),
D13(RS2),
J16(RS3),
J13

3. Otiomycosis (organisms causing/ management).

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D11(RS2),
J17(RS3),
J04, J06,
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4. Malignant otitis externa.

55 92

J10(RS2),
J04, D08
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5. Cerumen (wax)—management.

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2. Enumerate the causes of conductive hearing loss with intact tympanic membrane. Describe the etiology, clinical features and management of serous otitis media (secretory otitis media) otitis media with effusion in a 4-year-old child. 32, 69 52, 106 J06, J15
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Short Answer

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CHAPTER 11 CHOLESTEATOMA AND CHRONIC SUPPURATIVE OTITIS MEDIA

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1. Define cholesteatoma. Describe its classification, etiopathogenesis, clinical features and management of cholesteatoma. 73 110 J13(RS3), J17(RS3), J10, D13
2. Enumerate the common causes of conductive deafness. Discuss in detail the etiology, pathology, clinical features and management of tubotympanic type of chronic suppurative otitis media. 32, 75 114 D11(RS2), J07
3. What is cholesteatoma? Describe the etiology, pathology, clinical features and management of atticointral type of chronic suppurative otitis media. Discuss briefly the complications of atticointral disease. 73, 78, 83 110 D13(RS2), D01, J05, D14

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1. Cholesteatoma—etiopathogenesis (theories of formation of cholesteatoma), management. 73 110 D07(RS2), D10(RS2), D14(RS3), J18(RS3), J11, D14
2. Draw neat labeled diagrams showing different types of perforations of the tympanic membrane. 77 110 D06

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**CHAPTER 12
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1. Enumerate the complications of otitis media. Discuss the management of atticointal type of chronic suppurative otitis media (CSOM). 83, 80 118, 113 D12
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3. Enumerate extracranial complications of chronic suppurative otitis media. Discuss any one in detail. 83 118 J09
4. Classify and enumerate the complications of suppurative otitis media. Discuss the clinical features and management of lateral sinus thrombophlebitis. 83, 92 118, 126 J04, D06
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9. Gradenigo's syndrome. 88 121 J12(RS2), J13(RS3), J09(RS2)
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8. Gradenigo's sign. 93 127 J11, D11
9. Otitic hydrocephalus. 93 127 D13

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1. Enumerate the causes of conductive deafness in a 15-year-old girl. Describe the etiology, pathology, clinical features, investigations and management of otosclerosis. 32, 95 52 D10(RS2), J14(RS2), J18(RS3), D19(RS3), J01, D02, J12, J16, D16

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2. Otological causes for facial paralysis. 103 154 D08(RS2), J11(RS2), D16(RS3)
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| 2. Chevallet fracture. | 165 | 230 | D16 |
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| 2. Fungal infections of nose and paranasal sinuses. | 177 | 218 | J05 |
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| 2. Rhinolith—etiology, clinical features and management. | 181 | 244 | J01, D01, J12 |
| 3. Nasal myiasis. | 181 | 245 | D13 |
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**CHAPTER 31
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NONALLERGIC RHINITIS****Short Essay**

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2. Rhinitis medicamentosa. 191 227 J09(RS2), D10(RS2), J14(RS2), D02, J04, D11, J13, J16, J17

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3. Unilateral nasal obstruction—causes/ differential diagnosis. 194 188 D03
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2. Antrochoanal polyp. 193 210 J04
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2. Discuss about Little's area with diagram and its clinical importance. 197 174 D10, D15
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5. First aid measures for epistaxis. 199 192 J06, D06
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| 1. Manifestation of acquired immunodeficiency syndrome (AIDS) in ENT. | 422 | 500 | D07(RS2),
D13 |
|---|-----|-----|------------------|

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DNCR BNSL**Short Answer**

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|--|-----|-----|----------|
| 1. ENT manifestations in acquired immunodeficiency syndrome. | 422 | 500 | D10(RS2) |
|--|-----|-----|----------|

Section IX: Clinical Methods In ENT and Neck Masses**CHAPTER 76
CLINICAL METHODS IN ENT****Short Essay**

- | | | | |
|--|-----|-----|-----|
| 1. Enumerate cause of trismus. Discuss management of one common cause. | 435 | 430 | D07 |
|--|-----|-----|-----|

Short Answers

- | | | | |
|--|-----|-----|--|
| 1. Uses of Sileg's pneumatic aural speculum. | 430 | 464 | J08 |
| 2. Anterior rhinoscopy. | 431 | 186 | J10(RS2) |
| 3. Posterior rhinoscopy (diagram of structures seen). | 432 | 186 | J18(RS3),
D19(RS3),
J14, D15 |
| 4. Enumerate causes of trismus. | 435 | 430 | D15(RS3),
D08 |
| 5. Laryngeal crepitus. | 437 | — | J08 |
| 6. Indirect laryngoscopy (diagrammatic view of structures seen). | 437 | 355 | D15(RS3),
D00, D02,
D04, D13,
J16 |

**CHAPTER 77
NECK MASSES****Short Essays**

- | | | | |
|---|-----|-----|--|
| 1. Give differential diagnosis of lymph node in neck. | — | — | J08 |
| 2. Differential diagnosis of a midline neck swelling. | 445 | — | D12(RS3),
D13(RS2),
D14(RS3) |
| 3. Thyroglossal cyst. | 445 | 414 | J12(RS2),
J13(RS3),
D18(RS3),
J19(RS3),
D01, D02,
D13 |

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	DNGR	BSNL	
4. Differential diagnosis of lateral neck swellings.	446	—	J11(RS2), D16(RS3)
5. Branchial cyst.	446	414	D18(RS3), J13
Short Answers			
1. Causes of midline neck swelling.	445	—	D19(RS3)
2. Thyroglossal cyst.	445	414	D15(RS3), J09
3. Branchial cyst.	446	414	J11(RS2), D16(RS3)
4. Plunging ranula.	447	282	D14(RS3)

Section X: Operative Surgery

**CHAPTER 78
MYRINGOTOMY**

Short Essay

1. Myringotomy—indications, procedure and complications. 453 432 J02, D07

Short Answers

1. Indications for gromet insertion in ear. 453 432 J05
2. Myringotomy (indications and sites). 453 432 D07(RS2), D18(RS3), J14

**CHAPTER 79
EAR SURGERY AND APPROACHES**

Short Answer

1. Describe the types of mastoidectomies. 455 433 J03

**CHAPTER 80
CORTICAL MASTOIDECTOMY**

Short Essay

1. Define coalescent mastoiditis. 84, 457 119, 434 J12(RS2), J13(RS3), D12

Contd...

Contd...

Short Answers

1. Simple mastoidectomy. 457 434 D15
2. Complications of mastoidectomy. 458 436 J09(RS2), J13

**CHAPTER 81
RADICAL MASTOIDECTOMY**

None

**CHAPTER 82
MODIFIED RADICAL MASTOIDECTOMY**

Short Answer

1. Modified radical mastoidectomy 461 437 D16

**CHAPTER 83
MYRINGOPLASTY**

Short Essay

1. Myringoplasty 463 439 D10

Short Answers

1. Myringoplasty 463 439 J09
2. Graft materials for Myringoplasty 463 439 J17

**CHAPTER 84
PROOF PUNCTURE (ANTRAL IRRIGATION)**

Short Essay

1. Antal lavage/Antal wash. 465 444 D07(RS2), J12, D15

Short Answer

1. Antal puncture (indications and complications). 465 444 D07

**CHAPTER 85
INTRANASAL INFERIOR MEATAL ANTROSTOMY**

None

Contd...

CHAPTER 86
CALDWELL-LUC OPERATION
Short Essay

1. Caldwell-Luc's operation—indications, procedure (steps) and complications. 469 445 J19(RS3), J03, J08

Short Answer

1. Caldwell-Luc operation—indications. 469 445 J17(RS3), D08, D13

CHAPTER 87
SUBMUCOUS RESECTION OF NASAL SEPTUM (SMR OPERATION)
Short Essays

1. Discuss the difference between septoplasty and submucous resection of nasal septum (SMR) operation. 414 447 J10(RS2), J19(RS3), D00, J01, D04, D05, J13, D14

2. Submucous resection (SMR) of nasal septum—indications and complications. 471 447 D03, J08, J16

3. Discuss complications and their management of nasal septal surgery. Describe septal abscess. 471, 473, 168 449, 232 D10

Short Answer

1. Submucous resection of nasal septum (indications/complications). 471 447 J08(RS2), J10

CHAPTER 88
SEPTOPLASTY
Short Answer

1. Septoplasty. 473 447 D16

CHAPTER 89
DIAGNOSTIC NASAL ENDOSCOPY
Short Answer

1. Diagnostic nasal endoscopy (technique). 475 441 J09(RS2), D10(RS2), J14

Contd...

CHAPTER 90
ENDOSCOPIC SINUS SURGERY
Short Essay

1. Endoscopic sinus surgery. 477 442 J16(RS3)

CHAPTER 91
DIRECT LARYNGOSCOPY
Short Essay

1. Rigid (direct) laryngoscopy—indications and contraindications. 481 456 D19(RS3), J01, J03

Short Answer

1. Indications for direct laryngoscopy. 481 456 J05

CHAPTER 92
BRONCHOSCOPY
Short Essay

1. (Rigid) bronchoscopy (indications, contraindications and complications). 483 458 D11(RS2), J17(RS3), D03, D12

CHAPTER 93
ESOPHAGOSCOPY
Short Essay

1. (Rigid) esophagoscopy (indications, contraindications and complications). 485 459 J12(RS2), J13(RS3), D13(RS2), J04, J11, J15, D16

Short Answer

1. Esophagoscopy (complications). 485 459 J06, J11

CHAPTER 94
TONSILLECTOMY
Short Essays

1. Tonsillectomy—indications and complications. 487 450 D10(RS2), D13(RS2), J07, J13, J14, D15

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	DNGR	BNSL	
2. Briefly describe the operative steps of dissection method of tonsillectomy.	487	452	J06
3. Secondary hemorrhage.	490	454	J15(RS3)
Short Answers			
1. Absolute contraindications for tonsillectomy.	487	451	J18(RS3)
2. Enumerate the complications of tonsillitis.	489	454	J14
3. Immediate complications of tonsillectomy.	489	454	J17
4. Reactionary hemorrhage after tonsillectomy.	489	454	D00, J01, D04
5. Management of reactionary hemorrhage following tonsillectomy.	489	454	J14(RS2)
6. Secondary hemorrhage following tonsillectomy—causes and treatment.	490	454	D07

CHAPTER 95**ADENOIDECTOMY****Short Essay**

1. Adenoidectomy (indications and complications). 491 451 D14(RS3), J09

Short Answers

1. Complications of adenoidectomy. 491 454 D06
2. Post-adenoidectomy hemorrhage. 491 454 J02

CHAPTER 96**RADIOLOGY IN ENT****Short Answer**

1. X-ray PNS. 493 476 J18(RS3)

MISCELLANEOUS**Short Essays**

1. Tracheostomy tubes. 524 472 J16(RS3), D01, J05, J13
2. Describe features of ideal tracheostomy tube. — 472 D07

Contd...

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	DNGR	BNSL	
3. Glandular fever.	—	—	J15(RS3)
4. Write a note on microlaryngeal surgery (MLS).	—	378	D00, J01, D04
5. What are the causes of unilateral nasal discharge?	—	—	J02, J08
6. Give the differential diagnosis of unilateral nasal mass.	—	188	J04
7. Mention the branches of external carotid artery.	—	—	J05
8. Indications and technique of microlaryngoscopy.	—	378	J06
9. TNM staging and its clinical application.	—	—	J08(RS2)
10. Bronchopulmonary segments.	—	—	J08(RS2)
11. Precancerous conditions in ENT.	—	—	J18(RS3), J11
12. Anaerobic infection in ENT.	—	—	J09(RS2)
13. Occult primary.	—	—	J09
14. Role of local anesthesia in oto-rhino-laryngology.	—	—	D08(RS2)
15. Nasal decongestants.	—	—	D08(RS2)
16. Newer generation antihistaminics.	—	—	J09(RS2)
17. Dangerous area of the face.	—	—	J12(RS2), J13(RS3)
Short Answers			
1. Battle's sign.	507	—	D11
2. Thornwaldt's cyst.	510	291	J15
3. Sluder's neuralgia.	510	221	D11
4. Tracheostomy tubes—types, its advantages and disadvantages.	524	472	D11(RS2), D14(RS3), J18(RS3)
5. Symptoms of nasal disease.	—	185	D16
6. Symptoms of laryngeal diseases.	—	355	D16
7. Six causes of reddish mass in right nasal cavity.	—	188	D06
8. Prevention of iatrogenic laryngotracheal stenosis.	—	—	J06

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	DNGR	BNSL	
9. External carotid artery branches.	—	—	J09(RS2), D10
10. Carcinoma in-situ.	—	—	D09(RS2)
11. Post-nasal drip.	—	—	J10(RS2)
12. Mucociliary dyskinesia.	—	—	D10(RS2)
13. Cardiospasm.	—	—	D10
14. Compare indirect and direct laryngoscopy.	—	—	D10
15. Nasal decongestants.	—	—	D11(RS2)
16. Cold abscess of neck.	—	—	D12(RS3)
17. Leukotriene inhibitors.	—	—	D12